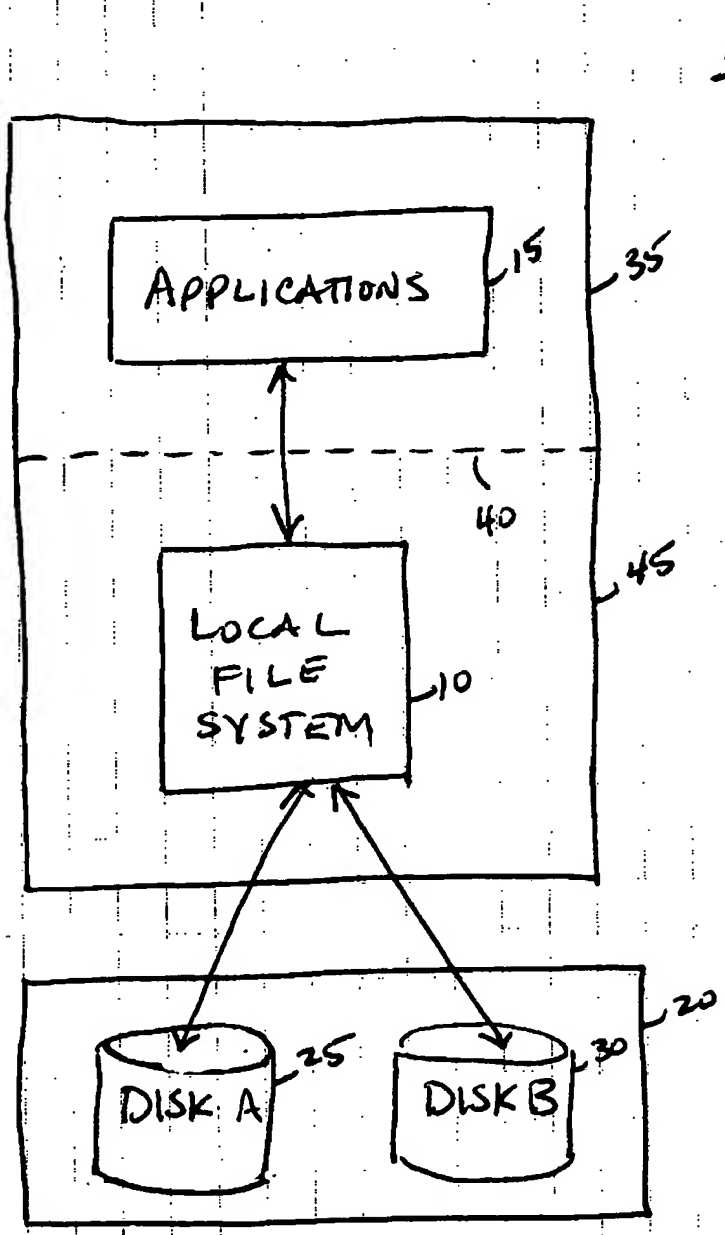


PRIOR ART

FIG. 1

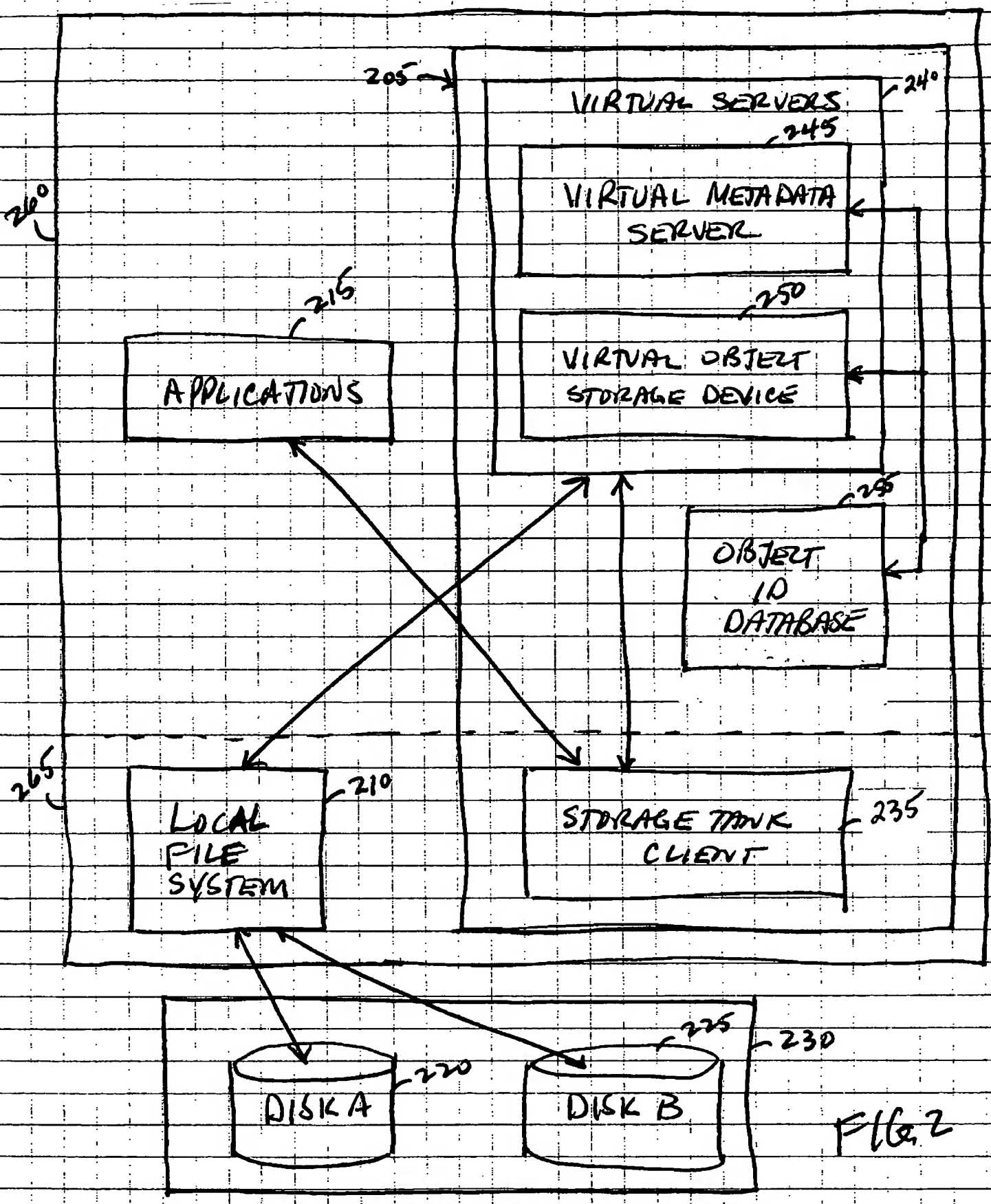
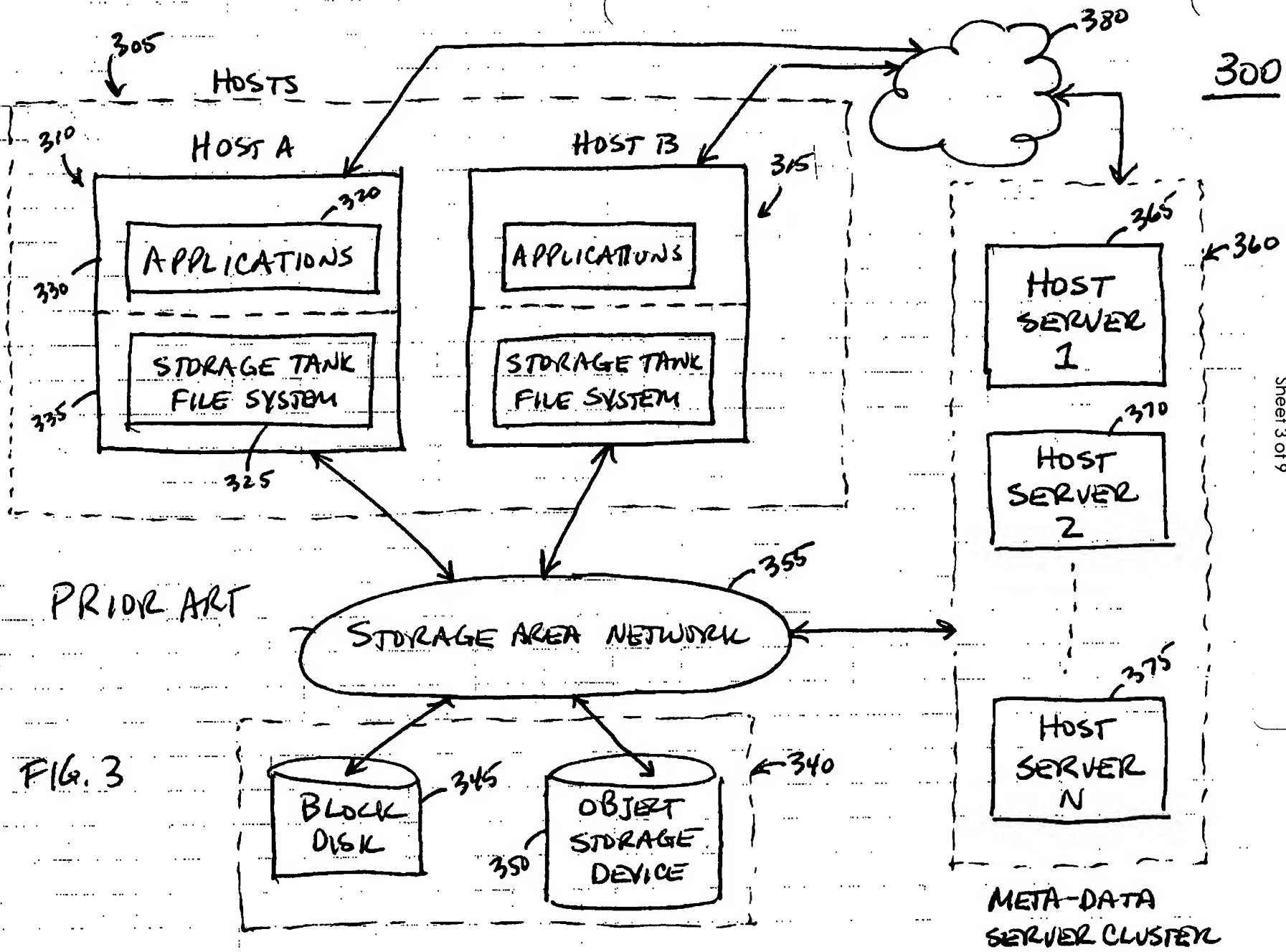

200
205
VIRTUAL SERVERS
240
245
VIRTUAL METADATA SERVER
260
250
VIRTUAL OBJECT STORAGE DEVICE
215
APPLICATIONS
255
OBJECT ID DATABASE
265
LOCAL FILE SYSTEM
210
STORAGE TANK CLIENT
235
225
230
DISK A
220
DISK B

FIG. 2

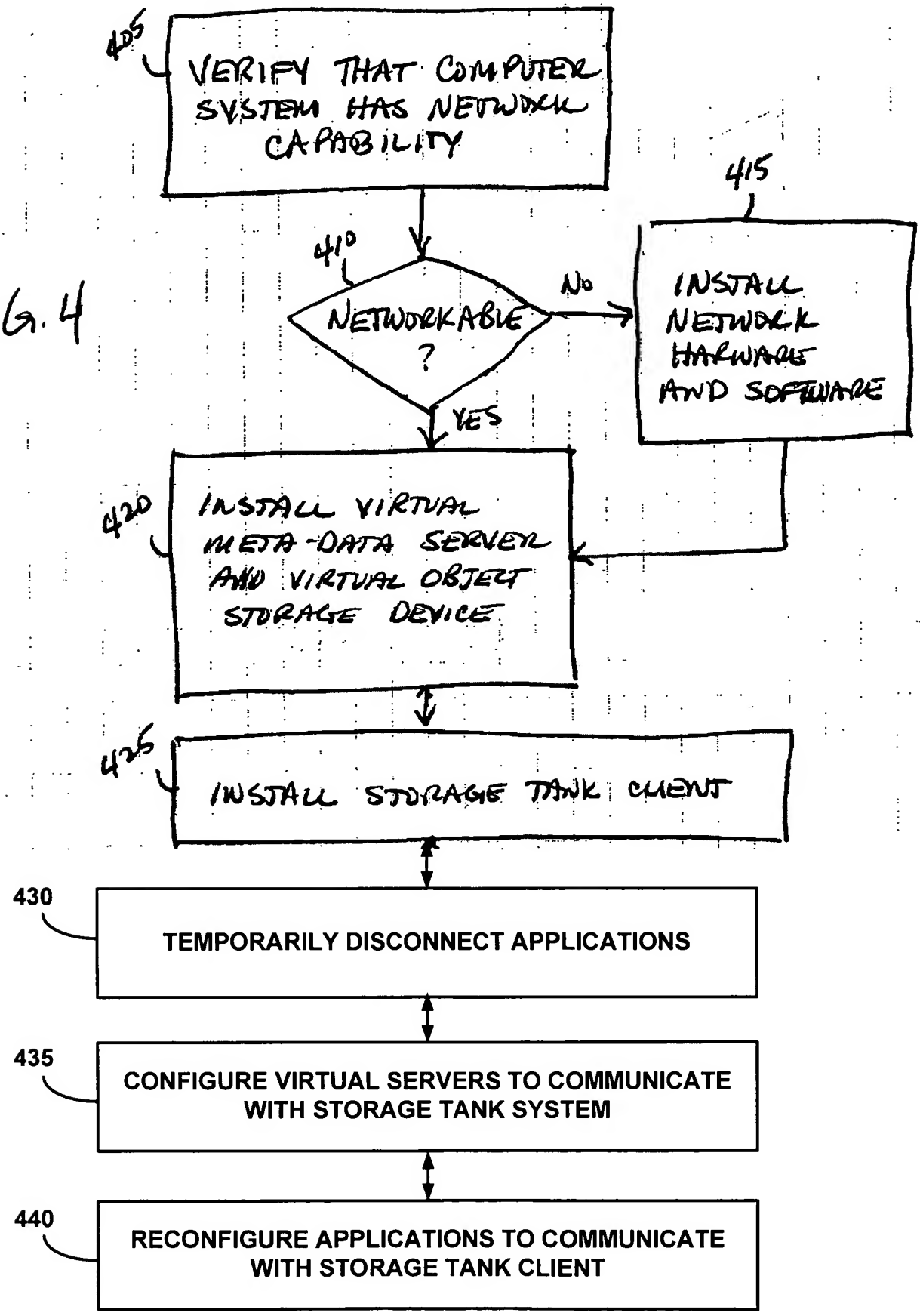


PRIOR ART

FIG. 3

400

FIG. 4


405
VERIFY THAT COMPUTER SYSTEM HAS NETWORK CAPABILITY
410
NETWORKABLE ?
No
415
INSTALL NETWORK HARDWARE AND SOFTWARE
YES
420
INSTALL VIRTUAL META-DATA SERVER AND VIRTUAL OBJECT STORAGE DEVICE
425
INSTALL STORAGE TANK CLIENT
430
TEMPORARILY DISCONNECT APPLICATIONS
435
CONFIGURE VIRTUAL SERVERS TO COMMUNICATE WITH STORAGE TANK SYSTEM
440
RECONFIGURE APPLICATIONS TO COMMUNICATE WITH STORAGE TANK CLIENT

200

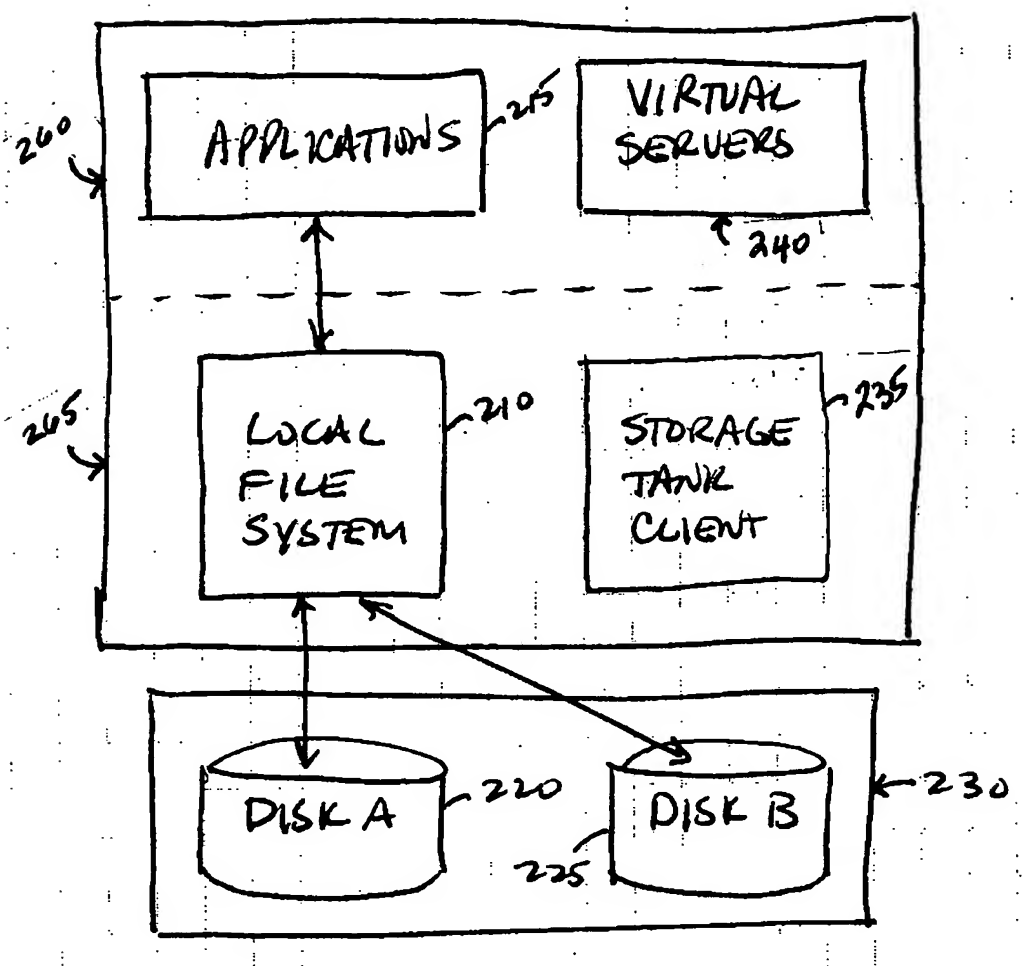

APPLICATIONS
215
VIRTUAL SERVERS
240
260
265
LOCAL FILE SYSTEM
210
STORAGE TANK CLIENT
235
DISK A
220
DISK B
225
230

FIG. 5A

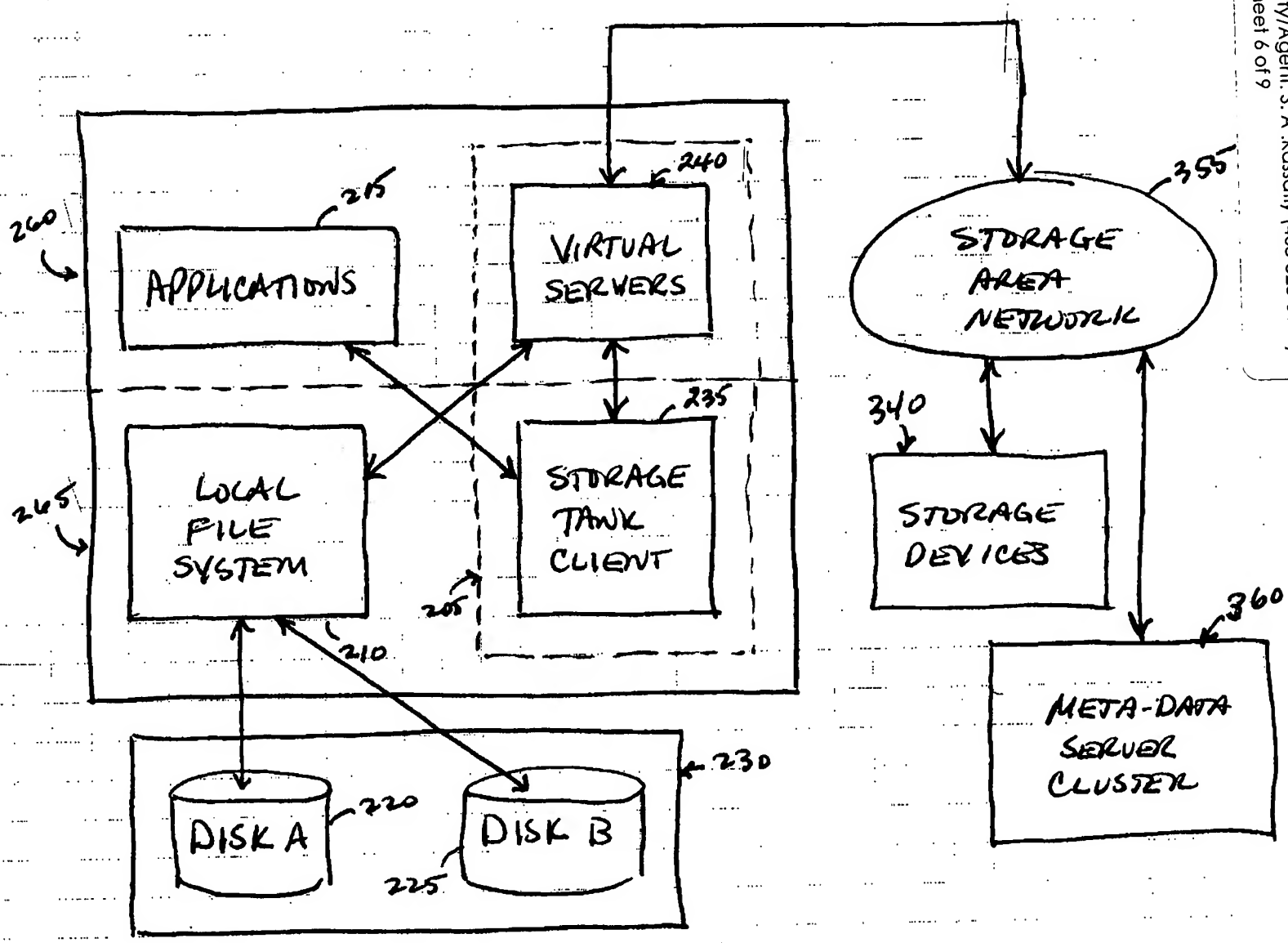
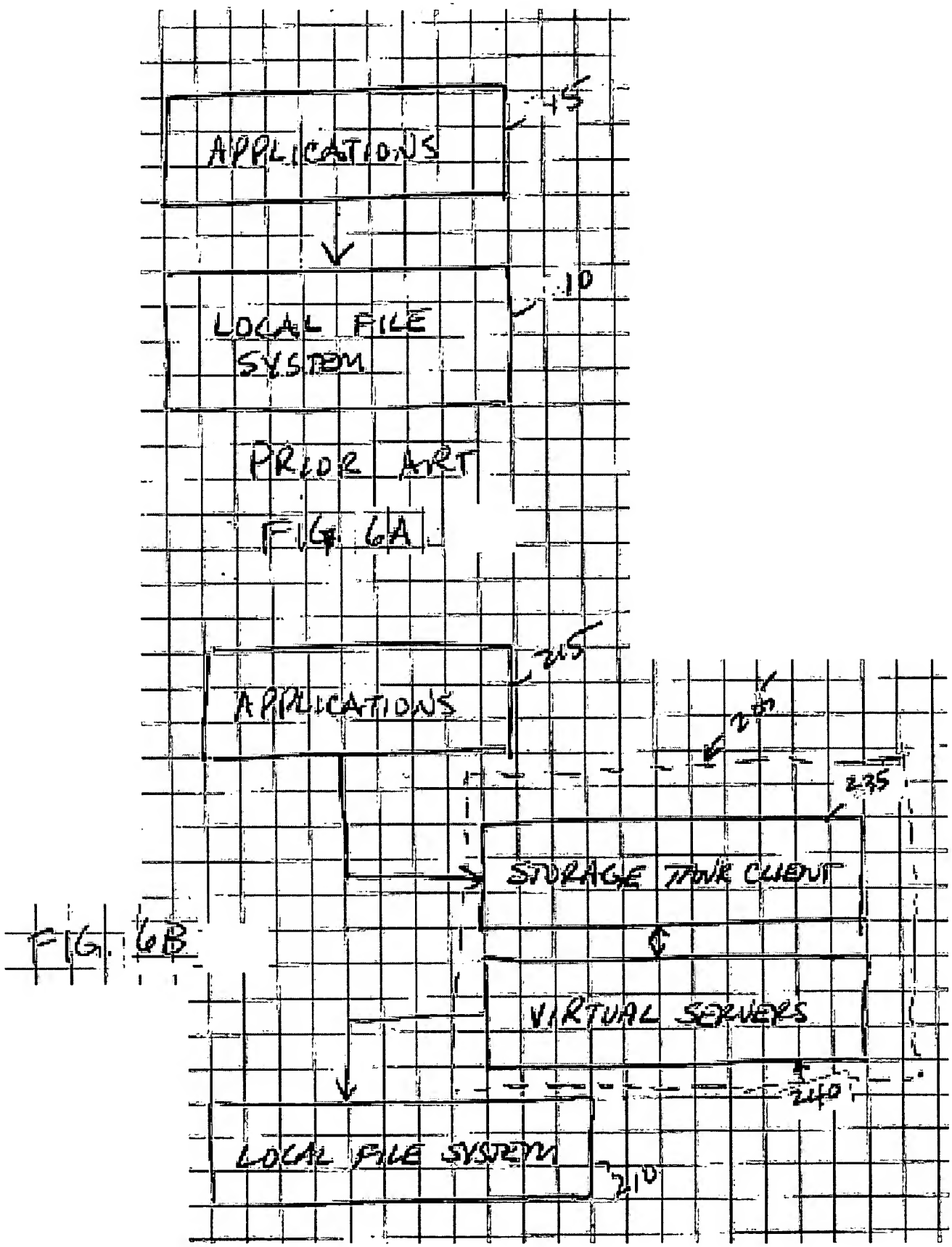
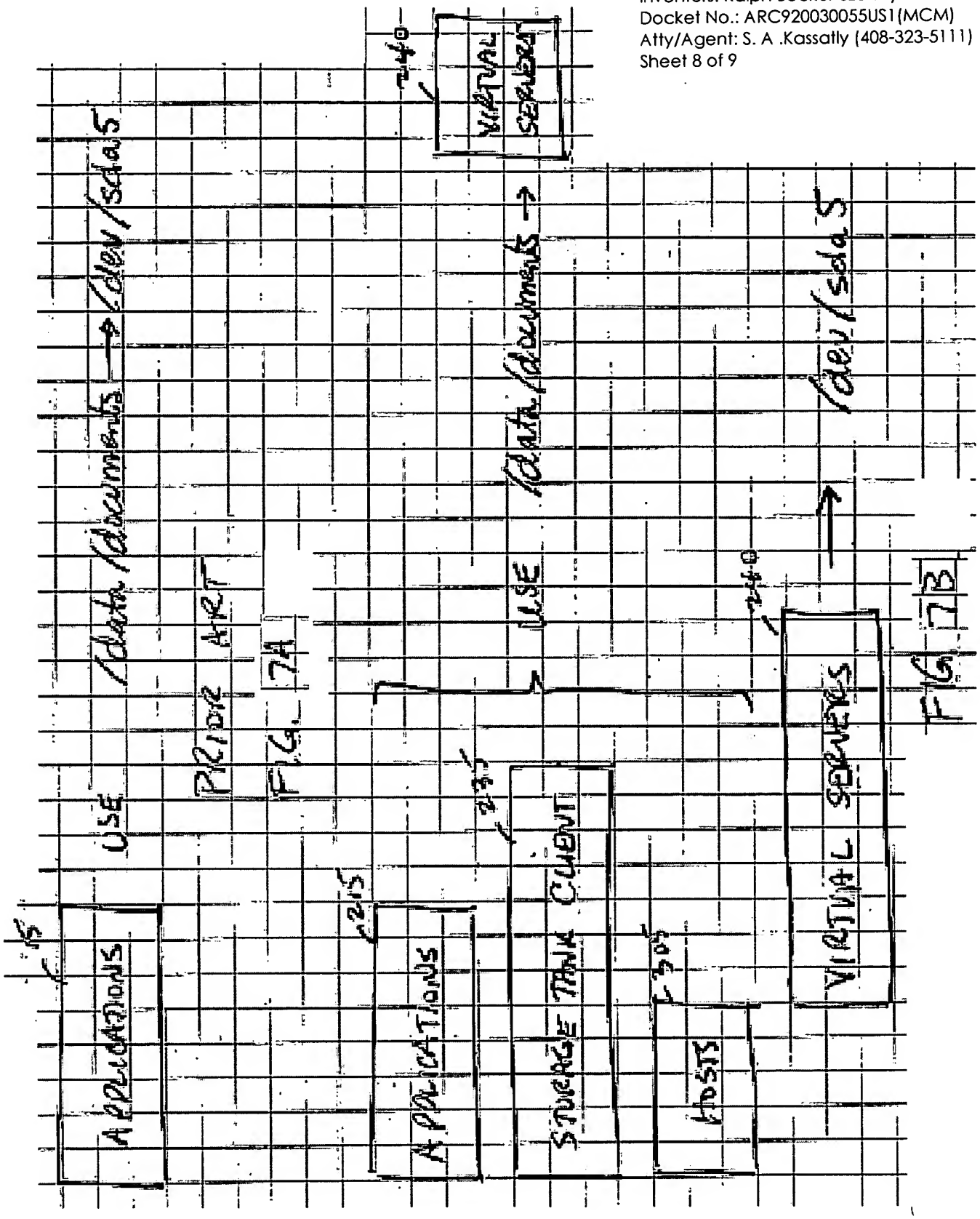

200
260
215
APPLICATIONS
240
VIRTUAL SERVERS
355
STORAGE AREA NETWORK
235
265
LOCAL FILE SYSTEM
STORAGE TANK CLIENT
205
340
STORAGE DEVICES
210
360
META-DATA SERVER CLUSTER
230
DISK A
220
DISK B
225

FIG. 5B


APPLICATIONS
15
LOCAL FILE SYSTEM
10
PRIOR ART
FIG 6A
APPLICATIONS
205
STORAGE TANK CLIENT
235
VIRTUAL SERVERS
240
LOCAL FILE SYSTEM
210
FIG 6B


VIRTUAL SERVERS
240
Client/Server Data Documents
USE
PRIOR ART
FIG. 7A
USE
Client/Server Data Documents
240
VIRTUAL SERVERS
FIG. 7B
APPLICATIONS
215
APPLICATIONS
215
STORAGE THAT CLIENT
225
HOSTS
230

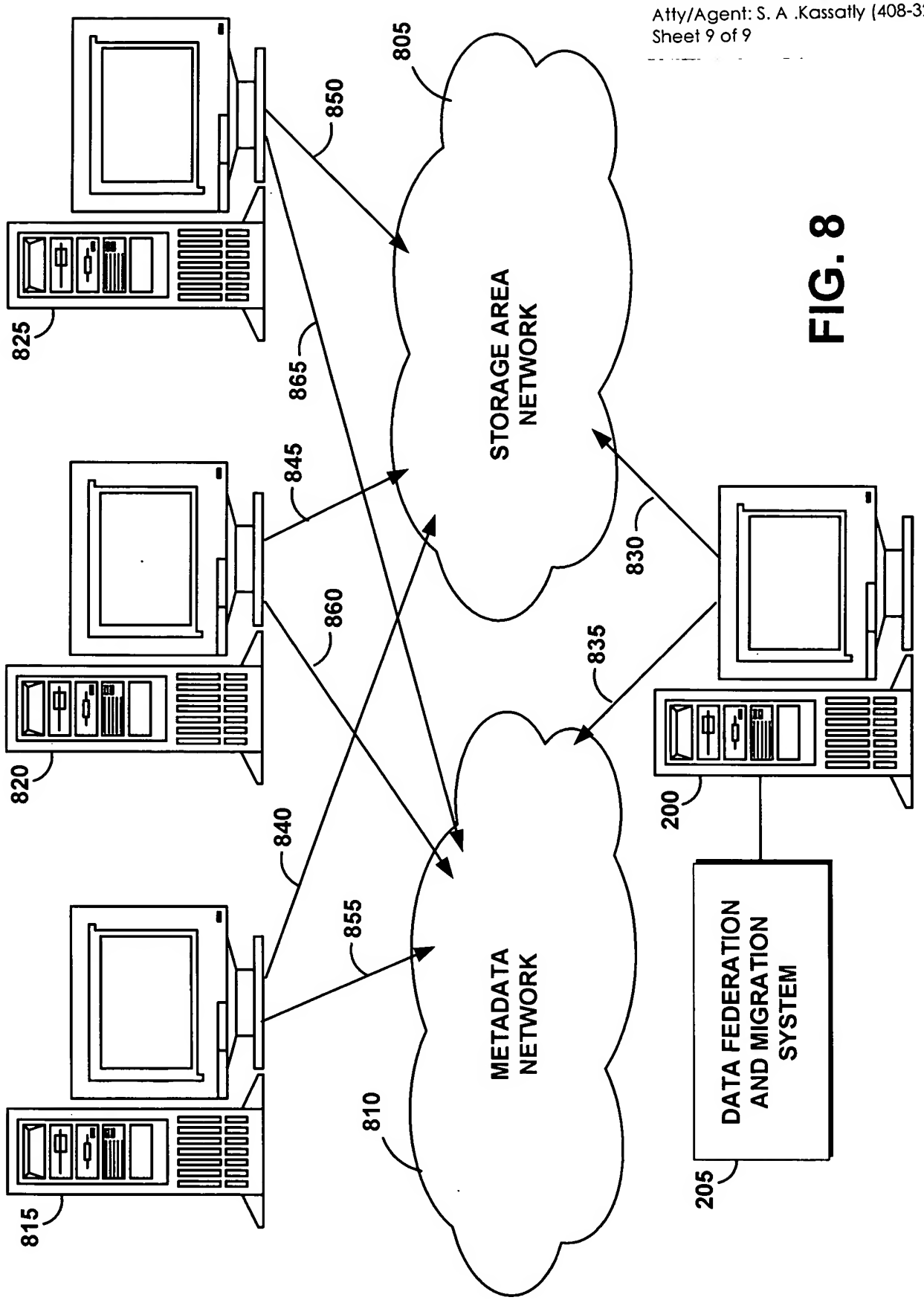

805
850
825
865
STORAGE AREA NETWORK
845
830
860
835
820
840
855
METADATA NETWORK
200
DATA FEDERATION AND MIGRATION SYSTEM
810
205
815

FIG. 8